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(54) Title: AMP LIGATION ASSAY (ALA)

(57) Abstract: The present invention relates to a method, reagent and kit for detecting ligase-catalyzed joining of nucleic acid ends, and any analyte related thereto, such as a ligase, or a substrate or cofactor thereof. More specifically, the invention relates to a method and kit for detecting the presence or amount of a target nucleic acid sequence in a sample. In the inventive method, ligase-catalyzed joining of nucleic acid ends is detected by detecting the AMP released thereby, preferably by using enzymatic means that comprises luciferase and luciferin.